



King County

ENGINEER I

DEPARTMENT OF TRANSPORTATION/ROAD SERVICES DIVISION ENGINEERING SERVICES SECTION/ENVIRONMENTAL UNIT

Hourly Rate Range: \$22.51 - \$28.54 (2003 rates)

Job Announcement No.: 03MD3145

OPEN: 2/3/03 CLOSE: 2/14/03

WHO MAY APPLY: This position is open concurrently to King County internal candidates and the general public. Preference will be given to King County internal candidates.

WHERE TO APPLY: Required forms and materials **must** be sent to: **Engineering Services Section, Attn: Susan Ziegman, 201 S Jackson St. MS KSC-TR-0231, Seattle, WA 98104-3856.** Application materials must be received by **4:00 p.m.** on the closing date. **PLEASE NOTE: Applications not received at the location specified above may not be processed. Email applications and postmarks are NOT ACCEPTED.**

FORMS AND MATERIALS REQUIRED: (1) [King County Application](#) (2) **Resume** and (3) **Cover Letter** detailing your background and describing how you meet or exceed the **Required Qualifications - Knowledge, Skills, and Abilities.**

WORK LOCATION: 201 S Jackson St. downtown Seattle, WA 98104

WORK SCHEDULE: This full-time position is overtime eligible. It works a 40-hour workweek; Monday through Friday.

PRIMARY JOB DUTIES INCLUDE: The Environmental Engineer I position will provide technical and scientific support to the Road Services Division, Environmental Unit. This position provides technical and scientific support consisting of environmental monitoring, vegetation management, erosion/sediment control, and site evaluation to meet environmental permit requirements. Essential duties, knowledge/skills, and licensing/certification requirements are outlined below:

Duties include:

1. Conduct environmental studies including, examining and documenting environmental conditions, filling out data forms and conducting various field studies on the environmental impacts of Road Services Division activities.
2. Perform data entry from both electronic and hardcopy media; collate, retrieve and analyze collected data for environmental studies and related projects.
3. Perform general office support and maintain records for assigned work unit, which includes implementation of quality control programs.
4. Perform maintenance of field equipment including multiprobes meters, calibration, maintain warranties and coordinate with manufacturers.
5. Evaluate existing field conditions and the potential impacts of construction and environmental restoration activities.
6. Collect water quality, soil, habitat and biological samples using various methods and follow established procedures in data collection and data analysis.
7. Prepare maps, comprehensive written reports, and presentations for use by technical staff, elected officials, management, outside agencies, and the public.
8. Assist in design, review and implementation of erosion/sediment control plans and stream restoration and wetland mitigation plans for transportation projects.

REQUIRED QUALIFICATIONS - KNOWLEDGE, SKILLS AND ABILITIES:

- A Bachelor of Sciences degree in a natural science field such as ecology, plant biology or horticulture, Environmental Engineering, or an equivalent combination of education and experience. Minimum two years of progressively responsible experience in one or more of the following areas: design, construction, and monitoring of stream/wetland mitigation or environmental planning.
- Knowledge of local/state/federal environmental regulations and review processes, plus local/state/federal permitting processes; emphasis on transportation project design and construction.
- Knowledge of fisheries, wetlands, stream ecology and watershed dynamics.
- Knowledge in relevant principles and practices of the applicable environmental, ecological, and other related sciences and relevant mathematics; including environmental monitoring approaches.
- Knowledge of sampling collection protocols, including groundwater, surface water, soil, sediment, habitat and biological.
- Knowledge of word processing, presentation, and spreadsheet computer software including Word, Excel, Access, PowerPoint, and Arcview.
- Excellent verbal and written communication skills.
- Skill in reading and interpreting plans, specifications, drawings, and technical maps and documents.
- Skill in analyzing and interpreting technical data including performing routine statistical analyses.
- Skill in applying principles of customer service and continuous quality improvement including ability to coordinate with staff and other agencies.
- Skill in independent and group problem solving and decision-making.
- Ability to use standard and new monitoring equipment; including GPS equipment.
- Ability to work under tight deadlines.
- Ability to perform fieldwork under varying and adverse working conditions including heavy rain and extreme temperatures.

NECESSARY SPECIAL REQUIREMENTS: Valid Washington State Driver's License or the ability to travel throughout the County in a timely manner, including remote locations with limited or no public transportation services. An offer of employment will be contingent on the success of a pre-employment physical examination.

UNION MEMBERSHIP: Positions in this classification are represented by I.F.P.T.E., Local 17.

CLASS CODE: 8507 SEQUENCE NUMBERS: 7337